

6. (Twice Amended) A process according to claim 1, wherein the process is utilized after completed use of the gas insulated line in order to recover SF₆ prior to disposal of the used gas insulated line.

C₂
cont.
7. (Twice Amended) A system comprising a gas insulated line, a membrane separation stage comprising at least one separating membrane which preferentially passes N₂ and at least one connecting line directly connecting the gas insulated line to the membrane separation stage, wherein said membrane separation stage is a mobile membrane separation apparatus.

Please add the following new claims 8-13:

8. (New) A system according to claim 7, wherein said at least one separating membrane comprising a polymer matrix composed of a polycarbonate made from a bisphenol in which at least 25% of the bisphenol units in the polymer chain are tetrahalogenated with chlorine or bromine.

9. (New) A system according to claim 7, further comprising a pump or compressor on said connecting line for moving a gas mixture from said gas insulated line to said membrane separation stage.

C₃
10. (New) A method according to claim 1, wherein said N₂ enriched permeate comprises at least about 97% by volume nitrogen.

11. (New) A method according to claim 10, wherein said N₂ enriched permeate comprises at least about 99% by volume nitrogen.

12. (New) A method according to claim 1, wherein said SF₆ enriched retentate comprises at least about 95% by volume sulfur hexafluoride.

13. (New) A method according to claim 1, further comprising discharging said N₂ enriched permeate directly to the atmosphere.